



INTELLIGENT TRANSPORTATION SYSTEM COORDINATOR

Purpose:

To actively support and uphold the City's stated mission and values. To plan and administer the City's Intelligent Transportation Systems (ITS), including but not limited to Traffic Signal Systems, Bus Transit and Light Rail Priority Control Systems, Special Event Management Systems as well as Traveler Information Systems.

Supervision Received and Exercised:

Receives direction from the Deputy Public Works Manager – Transit & Transportation or other management staff.

Exercises direct supervision over lower level staff.

Examples of Duties:

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.

Duties may include, but are not limited to, the following:

- Recommend and assist in the implementation of goals and objectives, establish schedules and methods for the development of transportation systems, implement policies and procedures.
- Plan, prioritize, assign, supervise and review work of staff involved with transportation systems development, database administration, coordination of staff ITS training, development and implementation ITS technologies.
- Develop and implement a comprehensive transportation management program including database development, systems development, systems analysis, testing, documentation, computer and communications systems operation and support.
- Participate in budget preparation and administration, prepare cost estimates for budget recommendations, submit justification for equipment and

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Intelligent Transportation System (ITS) Coordinator (continued)

programs, monitor and control expenditures, prepare technical specifications for RFP's, bids and purchase orders.

- Serve as the City's ITS expert and represent the City on regional transportation committees including but not limited to the MAG ITS committee, AZTech Executive Committee, AZTech Technical Oversight Committee, and other municipal, county, state and federal technical oversight and steering committees.
- Administer, manage, maintain and evaluate the Advanced Traffic Management System (computerized traffic signal system).
- Serve as project manager for ITS projects
- Oversee the design, construction and operation of the AZTech Tempe Arterial corridors
- Manage Tempe's AZTech network interfaces to other municipal, county and state transportation management centers.
- Manage the development, implementation and operation of the transportation communications networks including but not limited to the Quest network (twisted wire pair and fiber optic), the transportation fiber optic network, microwave and various other communications and video switching networks.
- Participate in the development and review of national ITS design standards, policies, programs and objectives
- Participate in the development, selection, implementation and testing of major transportation research projects at local, state and federal levels.
- Research and pursue funding opportunities for ITS programs
- Develop and facilitate the implementation of multi-jurisdictional transportation programs to improve the regional transportation system
- Develop and coordinate the implementation and operation of the Emergency Vehicle Preemption System (Opticom).
- Liaison during the Light Rail project design process for signal/ train interface:
 - Coordinate the development of the traffic signal / train interface for Tempe, participate in the development of the traffic signal / train "concept of operations" plan, the traffic signal controller hardware and software requirements, network communications requirements, and the traffic signal / LRT cabinet interface requirements.

Effective June 1999

Revised August 2003 (revised duties and range)

Revised June 2005 (range adj)

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- Review plans, specifications and estimates for the LRT project with emphasis on traffic signal and network communications hardware and software.
- Participate and contribute to LRT team meetings
- Develop signal-timing strategies and plans for the LRT signal operation
- Upon completion of the LRT project, liaison for the traffic signal / train interface
- Participate in developing the plans, specifications and estimates for the Traffic / Transit Operations Center
- AZTech Program Development and Support
 - Coordinate the expansion of Tempe's AZTech Smart corridors, participate in the development and implementation of the Regional Concept of Traffic Operations, facilitate regional and local fiber optic communication network expansion, Emergency Operations Center integration (Homeland Security Initiative), and Emergency Vehicle Priority Control System regional standardization.
- Conduct presentations for local, state, national and international tours, seminars and conventions

Experience and Training Guidelines:

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. The hiring department may include job related experience, training or license and certification preferences at the time of recruitment. A typical way to obtain the knowledge and abilities would be:

Experience:

Five years of increasingly responsible experience in Systems Engineering, Traffic Signal Systems, or Transportation Engineering, including two years of Intelligent Transportation System (ITS) planning and implementation work.

Training:

Equivalent to a Bachelor's degree from an accredited college or university with major course work in mathematics, electrical or telecommunications engineering, computer science, or a related field.

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Intelligent Transportation System (ITS) Coordinator (continued)

This position is included in the City's classified service, pursuant to City of Tempe Personnel Rules and Regulations, Rule 1, Section 103.

Job Code: 6581

Salary Range: 45

FLSA: Exempt

Effective June 1999

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